

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/076922 A1

- (51) International Patent Classification⁷: **G01N 27/447**
- (21) International Application Number: **PCT/US03/06334**
- (22) International Filing Date: 26 February 2003 (26.02.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/361,467 4 March 2002 (04.03.2002) US
- (71) Applicant (for all designated States except US): **SYMYX TECHNOLOGIES, INC.** [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BENOIT, Dider** [FR/US]; 223 Blossom Hill Road, Apt. D13, San Jose, CA 95123 (US). **CHARMOT, Dominique** [FR/US]; 1238 Bracebridge Court, Campbell, CA 95008 (US). **HAJDUK, Damian** [US/US]; 1146 Brace Avenue, San Jose, CA 95125 (US). **KLAERNER, Gerrit** [DE/US]; 5456 Fern Drive, San Jose, CA 95125 (US). **NGUYEN, Son, Hoai** [VN/US]; 3365 Cabrillo, Santa Clara, CA 95051 (US). **PIOTTI, Marcelo** [IT/US]; 1898 Meridian Avenue, #6, San Jose, CA 95125 (US). **LIN, Shan** [CN/US]; 1218 Heatherstone Way, Sunnyvale, CA 94087 (US).
- (74) Agent: **ACKLEY, James, H.**; Symyx Technologies, Inc., 3100 Central Expressway, Santa Clara, CA 95051 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: COPOLYMERS FOR USE IN CAPILLARY ELECTROPHORETIC SEPARATION MEDIA

(57) Abstract: Graft and block copolymers are used in separation media for capillary electrophoresis separation of biological or other molecules, with the copolymers comprising one segment being made from monomers that form an effective dynamic wall coating agent and another segment being made from monomers that form an effective sieving agent. The copolymers can be used alone or with other polymers that are either sieving polymers, wall coating polymers or both.

WO 03/076922 A1